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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

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11-2-2020

## 2020-11-02\_MichiganOverview\_COVIDstats

Michigan Department of Health & Human Services

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# Michigan Data

**DATA ABOUT  
PLACES**

**LONG TERM CARE FACILITIES**

**CORONAVIRUS  
SYMPTOMS**

**CUMULATIVE  
RECOVERED**

**OUTBREAK  
REPORTING**

**SCHOOL-RELATED  
OUTBREAK REPORTING**



CURRENT STATUSDAILY CASESCUMULATIVE TRENDSDEMOGRAPHICSTOTAL TESTINGDIAGNOSTIC TESTINGLEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

25-84

85-402

403-2763

2764-27475

27476+

Michigan

Monday, November 2, 2020

Michigan (Statewide) Case Fatality Rate

4.0%

Current Totals



Case Status	Cases	Deaths
Confirmed	184,889	7,357
Probable	19,437	359
Total	204,326	7,716

Laboratory Testing

Test Type	Tests Performed
Diagnostic	5,049,428
Serology	331,012
Total	5,380,440

Microsoft Power BI

< 1 of 7 >

Cases by Hispanic/Latino Ethnicity		
Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	7.10%	2.51%
Non-Hispanic Latino	71.33%	85.65%
Unknown	21.57%	11.84%

/

***Totals may not add to 100% due to rounding***

### Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	3.98%	1.98%
Non-Arab	56.37%	49.19%
Unknown	39.65%	48.82%

***Totals may not add to 100% due to rounding***

PUBLIC USE DATASETS 11/02/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date  
of Onset of Symptoms and Date of Death

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

## Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 10/30/2020): **121,093**

**Note on recovery:** During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on October 30, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to September 30, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

**Source:** Michigan Disease Surveillance System and Vital Records



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**POLICIES**



CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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View Cases

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*Source: Michigan Disease Surveillance System (MDSS) and Vital Records.*

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CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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*Source: Michigan Disease Surveillance System (MDSS) and Vital Records.*

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID indicated on their death certificate, but have not had a positive diagnostic test.

Deaths by County

0

1-4

5-25

26-188

189-1667

1668+

Michigan

Monday, November 2, 2020

Michigan (Statewide) Case Fatality Rate

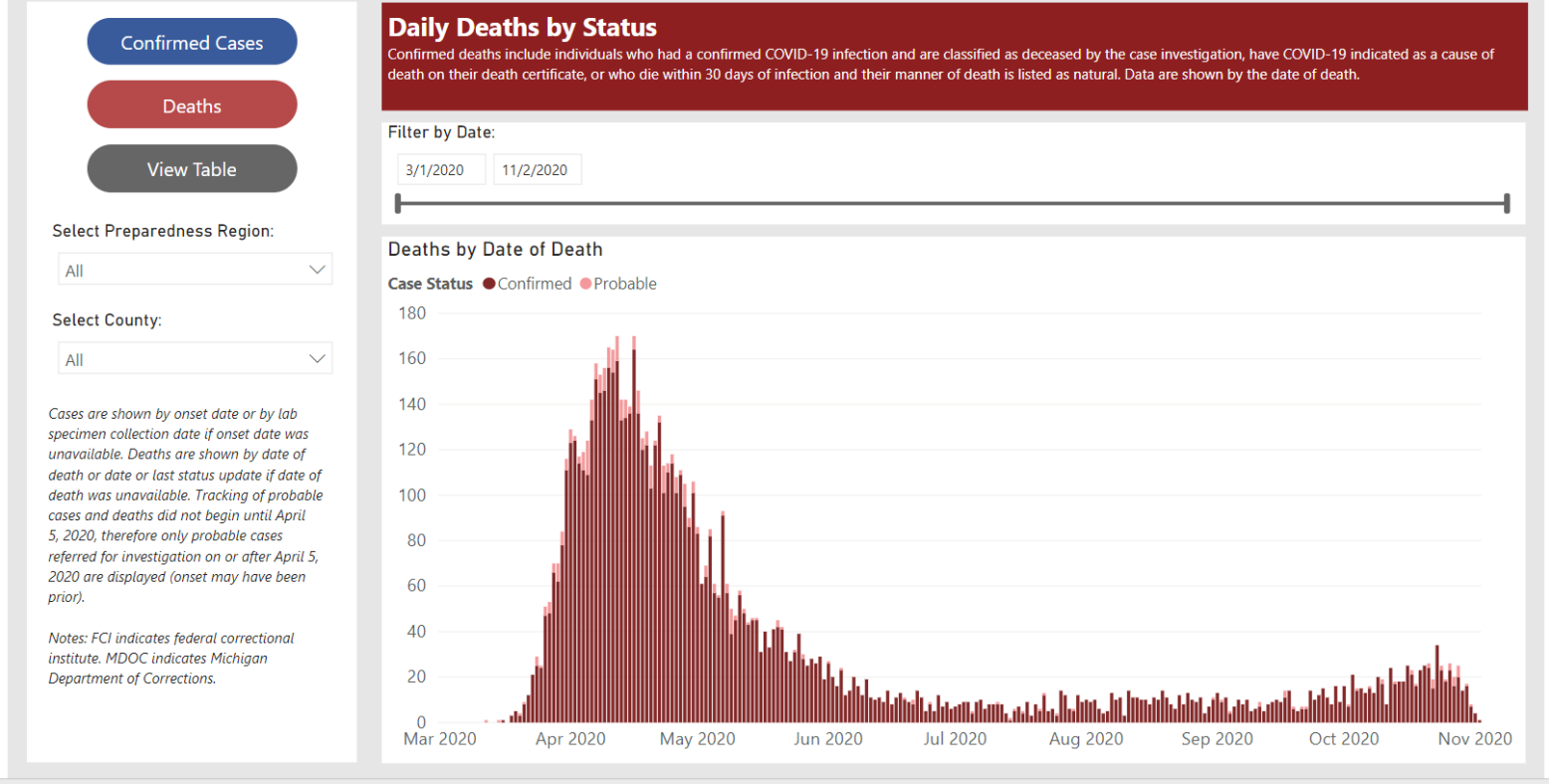
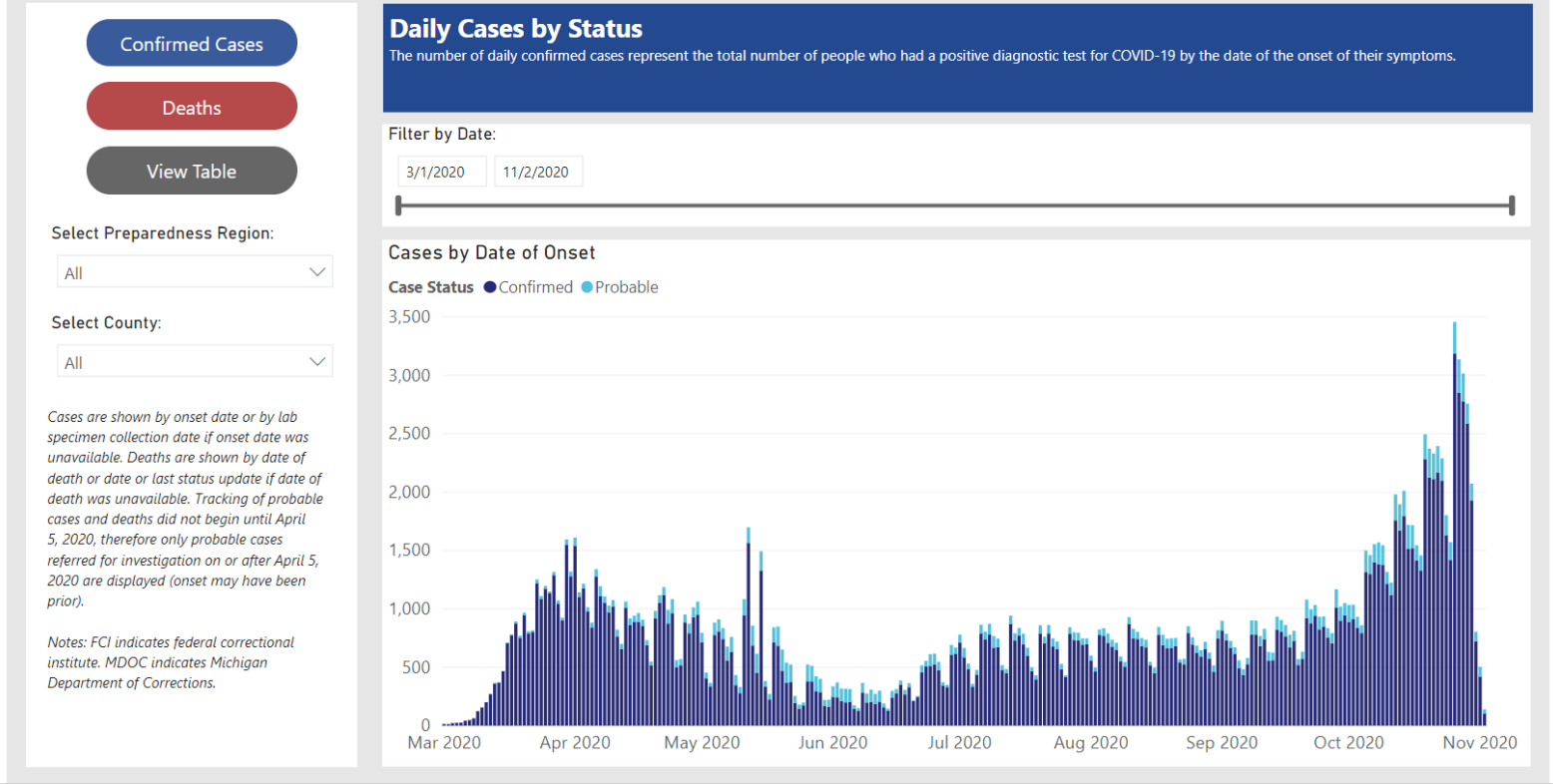
4.0%

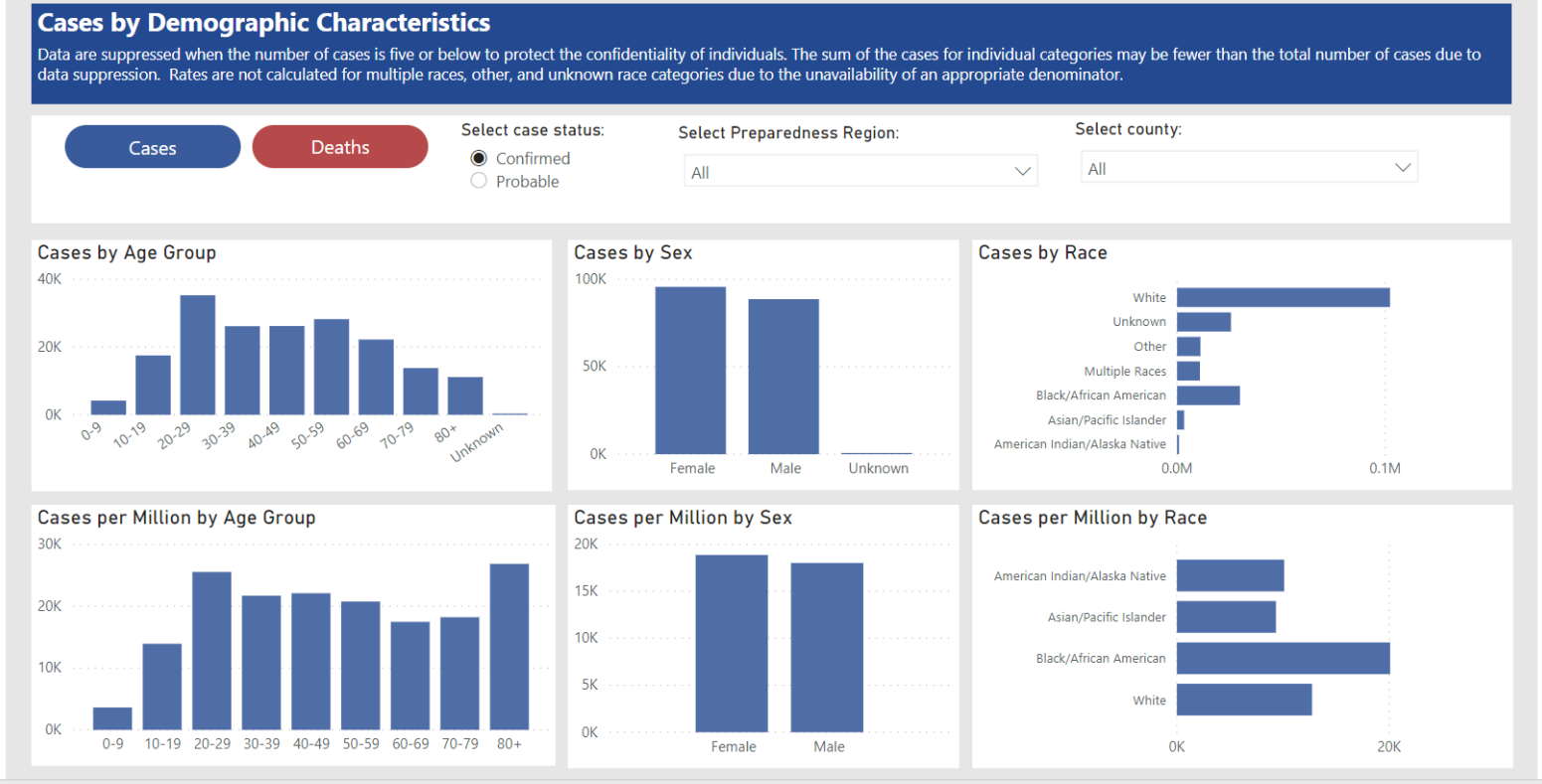
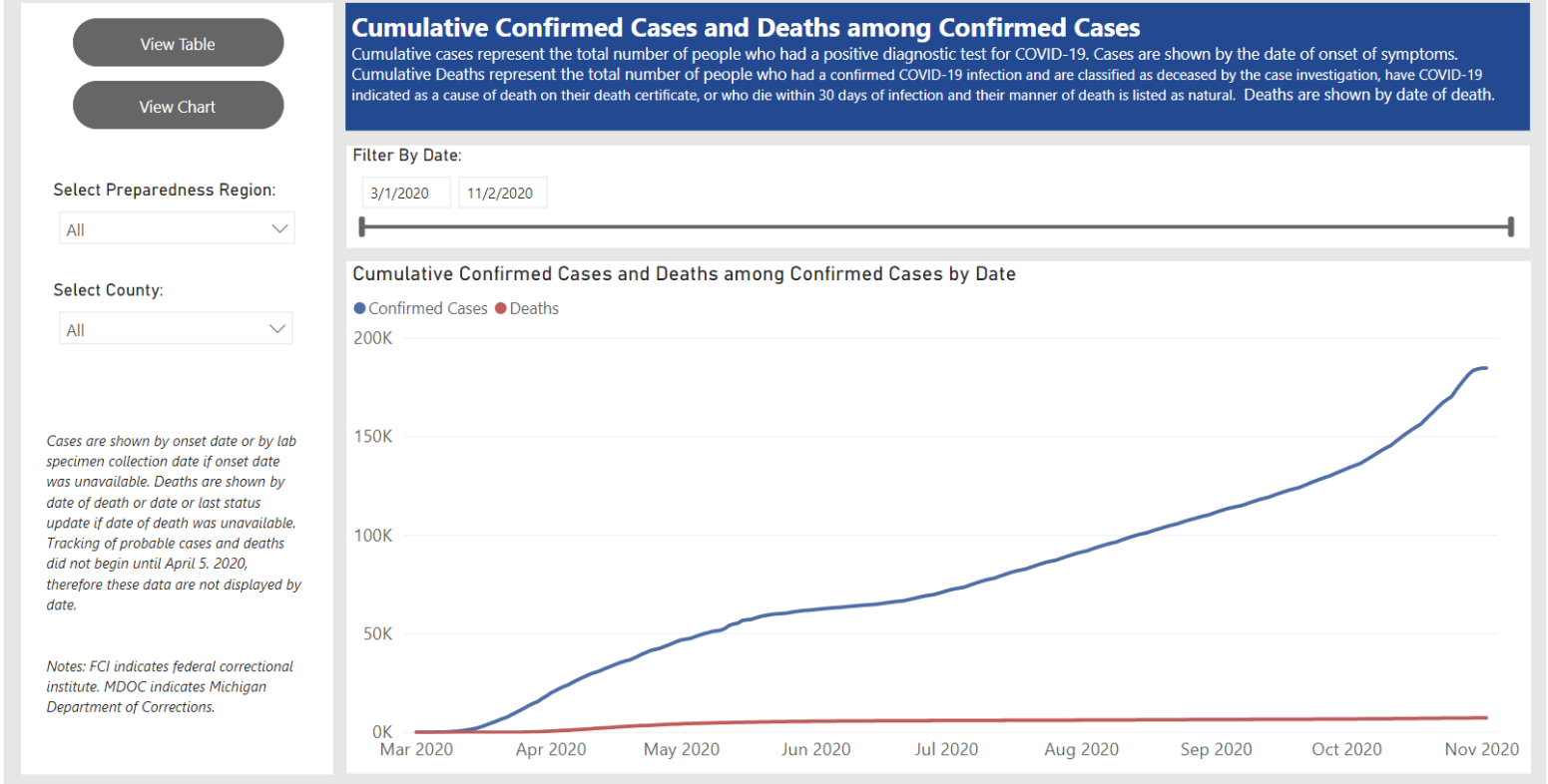
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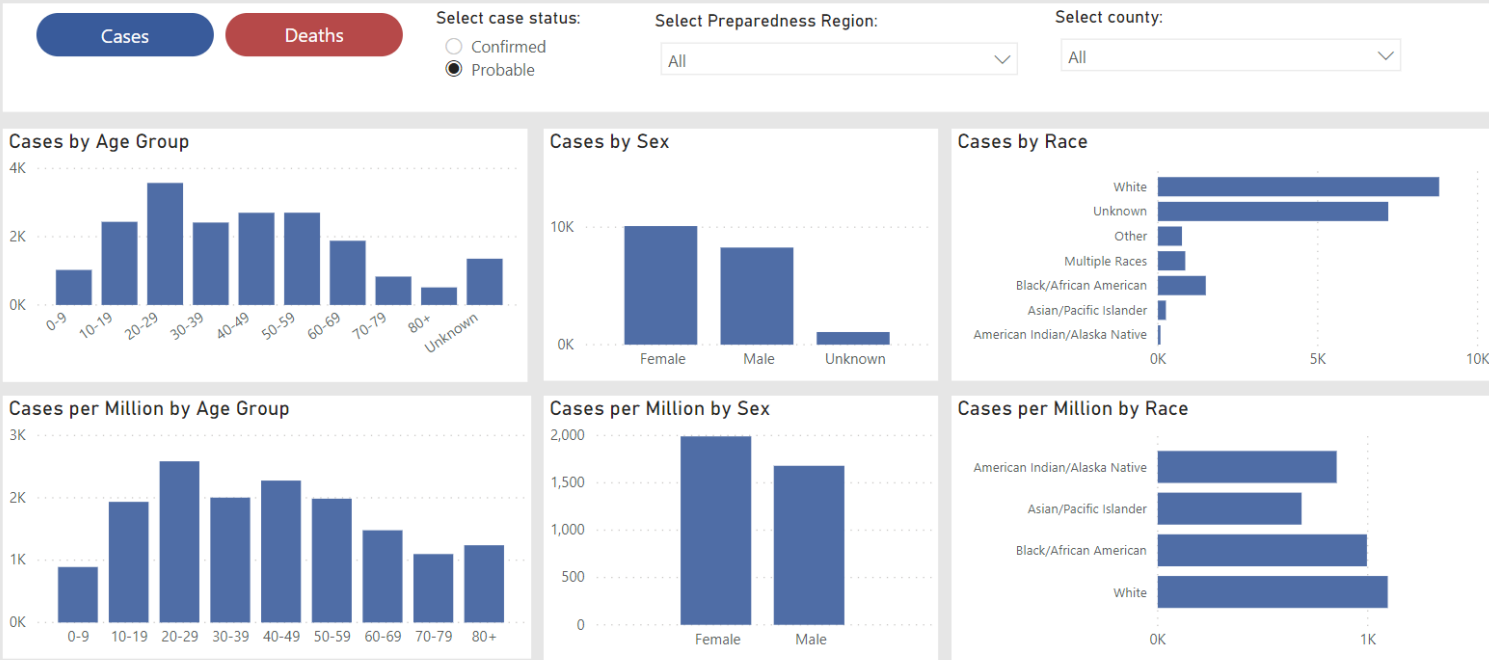
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Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.



Deaths by Demographic Characteristics

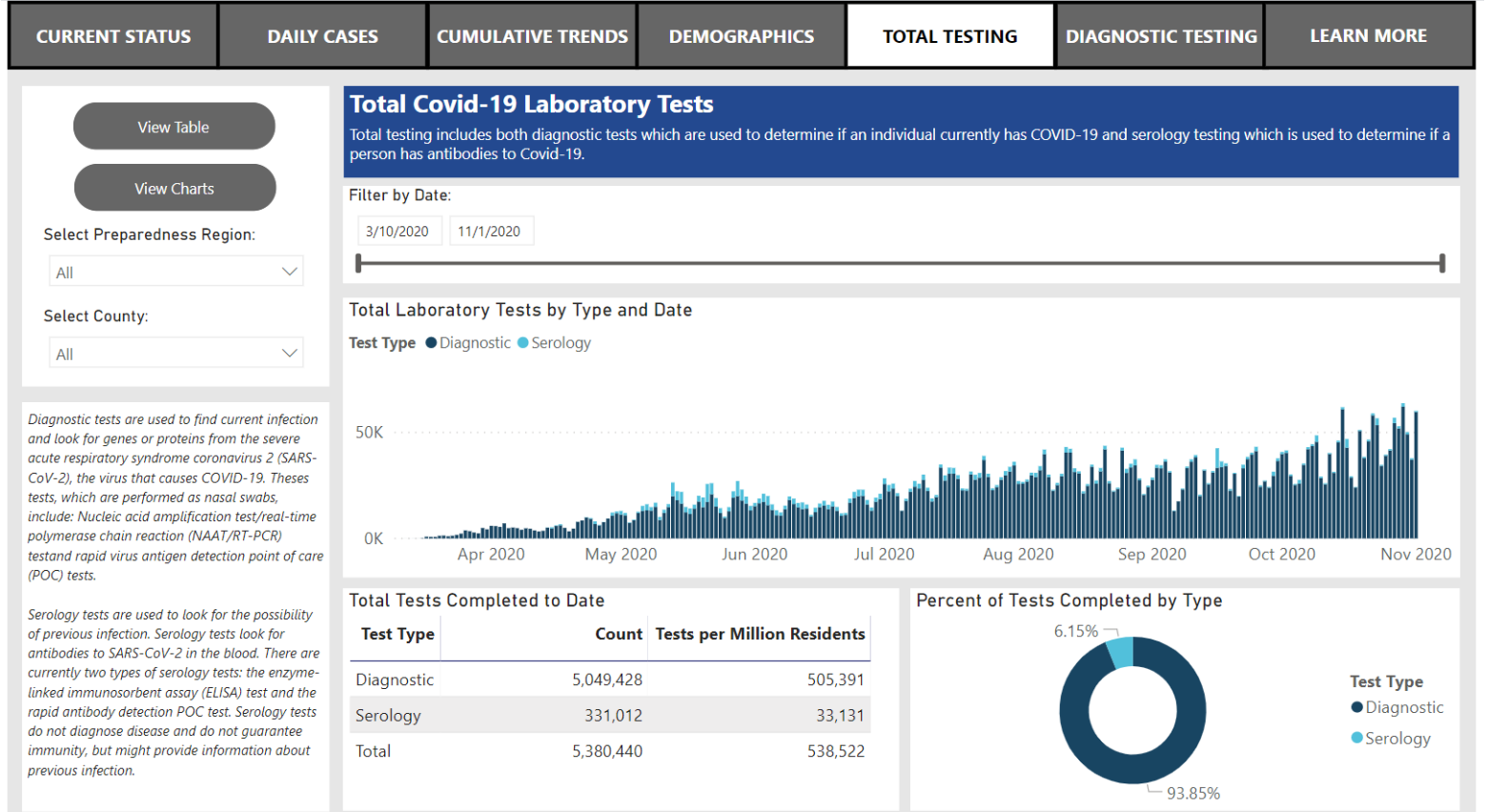
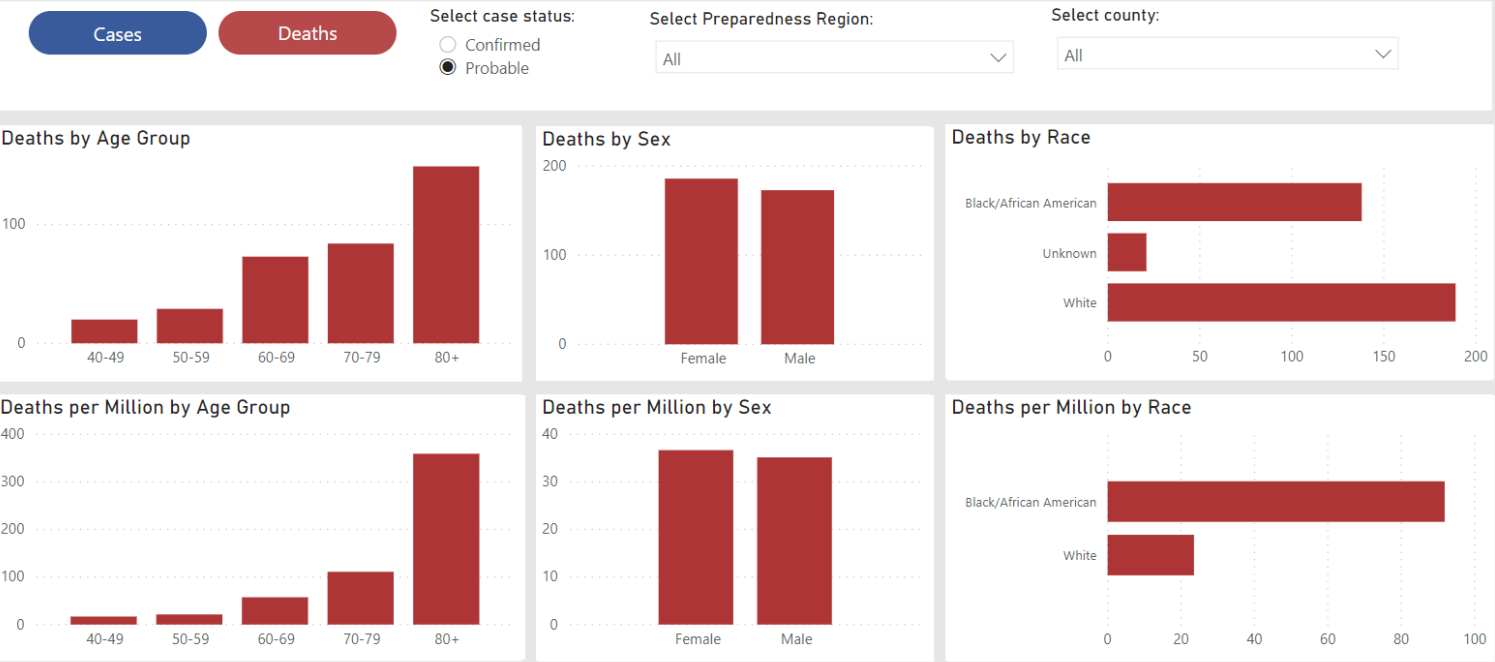
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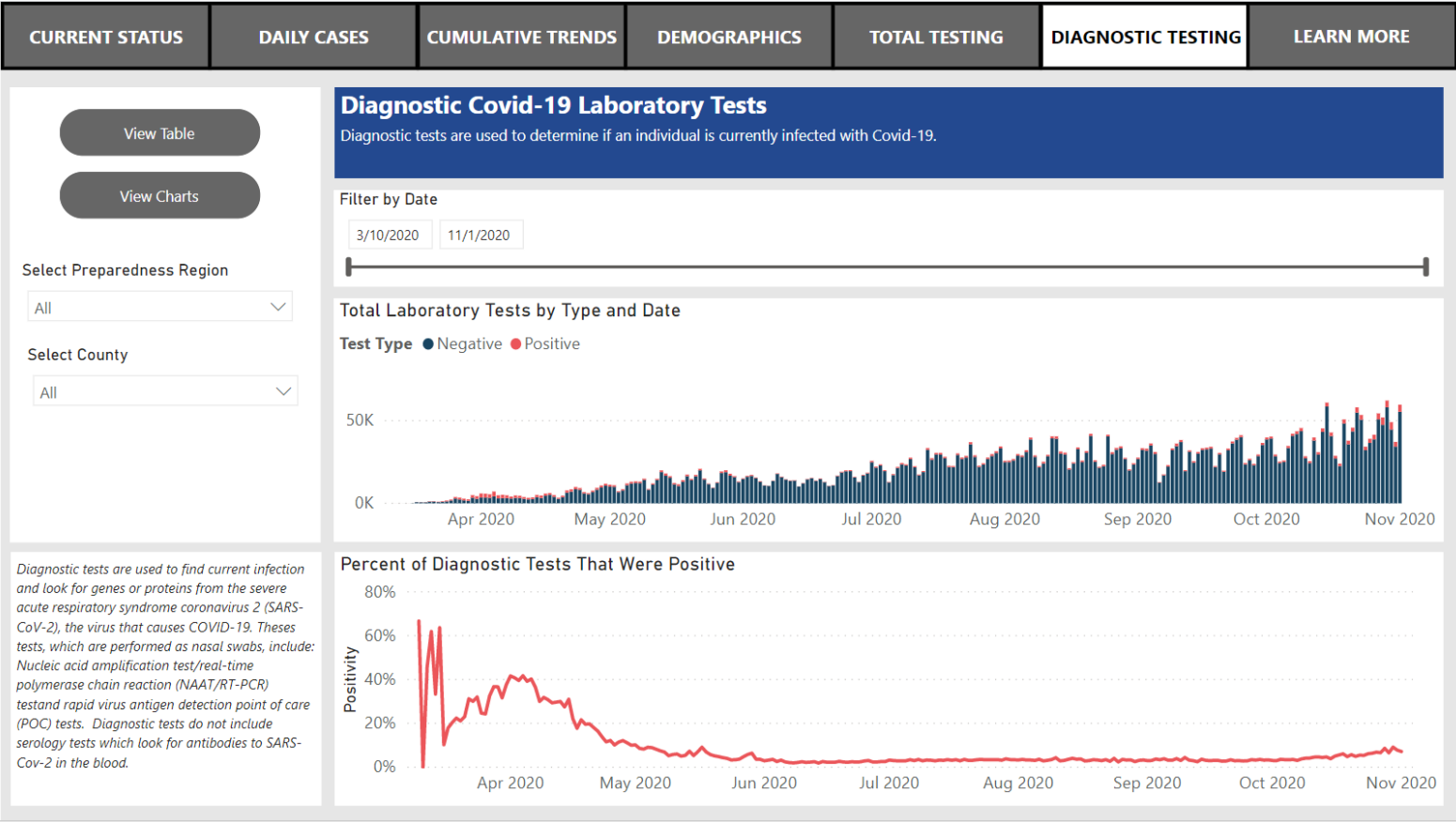




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# PUBLIC USE DATASETS

## Cases and Deaths by County

### README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

# **CASES AND DEATHS BY COUNTY 2020-11-02**

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/11/02 15:21:44	Alcona	49	3	8	0
2020/11/02 15:21:44	Alger	99	1	27	0
2020/11/02 15:21:44	Allegan	1438	7	153	0
2020/11/02 15:21:44	Alpena	164	14	25	0
2020/11/02 15:21:44	Antrim	138	0	13	0
2020/11/02 15:21:44	Arenac	107	3	11	0
2020/11/02 15:21:44	Baraga	109	4	20	0
2020/11/02 15:21:44	Barry	807	6	67	0
2020/11/02 15:21:44	Bay	1577	66	129	0
2020/11/02 15:21:44	Benzie	142	2	15	0
2020/11/02 15:21:44	Berrien	2857	84	276	2
2020/11/02 15:21:44	Branch	899	11	114	1
2020/11/02 15:21:44	Calhoun	3046	69	391	2
2020/11/02 15:21:44	Cass	1049	24	108	0
2020/11/02 15:21:44	Charlevoix	214	4	23	0
2020/11/02 15:21:44	Cheboygan	180	2	25	0
2020/11/02 15:21:44	Chippewa	118	0	86	0
2020/11/02 15:21:44	Clare	304	14	40	0
2020/11/02 15:21:44	Clinton	1200	16	145	0
2020/11/02 15:21:44	Crawford	152	5	15	0
2020/11/02 15:21:44	Delta	1272	33	148	7
2020/11/02 15:21:44	Dickinson	786	20	24	1
2020/11/02 15:21:44	Eaton	1250	11	109	0
2020/11/02 15:21:44	Emmet	383	5	20	0
2020/11/02 15:21:44	Genesee	6453	316	1137	27
2020/11/02 15:21:44	Gladwin	227	2	32	0
2020/11/02 15:21:44	Gogebic	348	5	136	9
2020/11/02 15:21:44	Grand Traverse	823	14	85	0
2020/11/02 15:21:44	Gratiot	563	17	71	0
2020/11/02 15:21:44	Hillsdale	558	27	56	2
2020/11/02 15:21:44	Houghton	845	8	161	1
2020/11/02 15:21:44	Huron	256	7	47	0
2020/11/02 15:21:44	Ingham	4944	70	95	0
2020/11/02 15:21:44	Ionia	837	8	38	0
2020/11/02 15:21:44	Iosco	277	15	49	1
2020/11/02 15:21:44	Iron	459	23	32	3
2020/11/02 15:21:44	Isabella	1063	15	124	0
2020/11/02 15:21:44	Jackson	2085	68	32	2
2020/11/02 15:21:44	Kalamazoo	4459	111	921	4
2020/11/02 15:21:44	Kalkaska	141	4	17	0
2020/11/02 15:21:44	Kent	15715	186	960	3
2020/11/02 15:21:44	Keweenaw	24	0	1	0
2020/11/02 15:21:44	Lake	71	1	4	0
2020/11/02 15:21:44	Lapeer	864	37	167	1
2020/11/02 15:21:44	Leelanau	156	2	14	0
2020/11/02 15:21:44	Lenawee	1198	20	56	0
2020/11/02 15:21:44	Livingston	2119	34	316	1

2020/11/02 15:21:44	Luce	62	0	22	1
2020/11/02 15:21:44	Mackinac	142	0	36	0
2020/11/02 15:21:44	Macomb	19357	1049	1023	49
2020/11/02 15:21:44	Manistee	151	3	13	0
2020/11/02 15:21:44	Marquette	1154	16	158	0
2020/11/02 15:21:44	Mason	275	2	26	0
2020/11/02 15:21:44	Mecosta	634	4	28	0
2020/11/02 15:21:44	Menominee	709	6	79	0
2020/11/02 15:21:44	Midland	1057	14	191	0
2020/11/02 15:21:44	Missaukee	97	1	17	0
2020/11/02 15:21:44	Monroe	2033	41	279	1
2020/11/02 15:21:44	Montcalm	738	12	100	0
2020/11/02 15:21:44	Montmorency	34	0	4	0
2020/11/02 15:21:44	Muskegon	2687	84	77	0
2020/11/02 15:21:44	Newaygo	732	4	23	0
2020/11/02 15:21:44	Oakland	22553	1190	4923	51
2020/11/02 15:21:44	Oceana	662	6	34	0
2020/11/02 15:21:44	Ogemaw	122	5	23	0
2020/11/02 15:21:44	Ontonagon	114	1	15	0
2020/11/02 15:21:44	Osceola	192	1	27	0
2020/11/02 15:21:44	Oscoda	43	2	19	0
2020/11/02 15:21:44	Otsego	268	11	34	1
2020/11/02 15:21:44	Ottawa	5824	74	258	5
2020/11/02 15:21:44	Presque Isle	75	1	10	0
2020/11/02 15:21:44	Roscommon	197	6	36	0
2020/11/02 15:21:44	Saginaw	4136	154	267	5
2020/11/02 15:21:44	Sanilac	241	6	9	1
2020/11/02 15:21:44	Schoolcraft	98	0	7	1
2020/11/02 15:21:44	Shiawassee	798	33	47	1
2020/11/02 15:21:44	St Clair	1507	64	291	1
2020/11/02 15:21:44	St Joseph	1236	22	178	2
2020/11/02 15:21:44	Tuscola	670	37	95	0
2020/11/02 15:21:44	Van Buren	1208	18	107	2
2020/11/02 15:21:44	Washtenaw	5253	120	672	0
2020/11/02 15:21:44	Wayne	23452	1338	2370	54
2020/11/02 15:21:44	Wexford	191	4	19	0
2020/11/02 15:21:44	MDOC	7010	75	6	0
2020/11/02 15:21:44	FCI	192	5	5	0
2020/11/02 15:21:44	Out-of-State	360	2	24	1
2020/11/02 15:21:44	Unknown	6	0	21	0
2020/11/02 15:21:44	Detroit City	15794	1552	1321	116

# PUBLIC USE DATASETS

## Cases by Demographics Statewide

### README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

# **CASES BY DEMOGRAPHICS STATEWIDE 2020-11-02**

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	15	0
Confirmed	10-19	American Indian/Alaska Native	Female	59	0
Confirmed	20-29	American Indian/Alaska Native	Female	101	0
Confirmed	30-39	American Indian/Alaska Native	Female	80	0
Confirmed	40-49	American Indian/Alaska Native	Female	71	0
Confirmed	50-59	American Indian/Alaska Native	Female	76	0
Confirmed	60-69	American Indian/Alaska Native	Female	46	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	27	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	13	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	42	0
Confirmed	10-19	Asian/Pacific Islander	Female	158	0
Confirmed	20-29	Asian/Pacific Islander	Female	338	0
Confirmed	30-39	Asian/Pacific Islander	Female	318	0
Confirmed	40-49	Asian/Pacific Islander	Female	306	0
Confirmed	50-59	Asian/Pacific Islander	Female	273	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	147	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	68	11
Confirmed	80+	Asian/Pacific Islander	Female	66	23
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	234	Suppressed
Confirmed	10-19	Black/African American	Female	686	Suppressed
Confirmed	20-29	Black/African American	Female	2550	Suppressed
Confirmed	30-39	Black/African American	Female	2441	8
Confirmed	40-49	Black/African American	Female	2477	55
Confirmed	50-59	Black/African American	Female	2373	112
Confirmed	60-69	Black/African American	Female	2152	237
Confirmed	70-79	Black/African American	Female	1410	330
Confirmed	80+	Black/African American	Female	1096	444
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	135	0
Confirmed	10-19	Multiple Races	Female	592	0
Confirmed	20-29	Multiple Races	Female	1193	0
Confirmed	30-39	Multiple Races	Female	882	0
Confirmed	40-49	Multiple Races	Female	956	Suppressed
Confirmed	50-59	Multiple Races	Female	1030	Suppressed
Confirmed	60-69	Multiple Races	Female	652	Suppressed
Confirmed	70-79	Multiple Races	Female	327	12
Confirmed	80+	Multiple Races	Female	249	25
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	240	0
Confirmed	10-19	Other	Female	692	0
Confirmed	20-29	Other	Female	1223	0
Confirmed	30-39	Other	Female	932	Suppressed
Confirmed	40-49	Other	Female	872	Suppressed
Confirmed	50-59	Other	Female	615	Suppressed
Confirmed	60-69	Other	Female	395	15

Confirmed	70-79	Other	Female	210	16
Confirmed	80+	Other	Female	172	31
Confirmed	Unknown	Other	Female	0	0
Confirmed	0-9	Unknown	Female	255	0
Confirmed	10-19	Unknown	Female	1170	0
Confirmed	20-29	Unknown	Female	2415	Suppressed
Confirmed	30-39	Unknown	Female	1907	0
Confirmed	40-49	Unknown	Female	1939	Suppressed
Confirmed	50-59	Unknown	Female	2027	7
Confirmed	60-69	Unknown	Female	1497	16
Confirmed	70-79	Unknown	Female	782	21
Confirmed	80+	Unknown	Female	843	43
Confirmed	Unknown	Unknown	Female	41	0
Confirmed	0-9	White	Female	1085	0
Confirmed	10-19	White	Female	5791	0
Confirmed	20-29	White	Female	10880	6
Confirmed	30-39	White	Female	6765	11
Confirmed	40-49	White	Female	6910	27
Confirmed	50-59	White	Female	7744	75
Confirmed	60-69	White	Female	5952	204
Confirmed	70-79	White	Female	4083	462
Confirmed	80+	White	Female	4554	1264
Confirmed	Unknown	White	Female	29	0
Confirmed	0-9	American Indian/Alaska Native	Male	17	0
Confirmed	10-19	American Indian/Alaska Native	Male	41	0
Confirmed	20-29	American Indian/Alaska Native	Male	76	0
Confirmed	30-39	American Indian/Alaska Native	Male	71	0
Confirmed	40-49	American Indian/Alaska Native	Male	84	0
Confirmed	50-59	American Indian/Alaska Native	Male	67	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	50	9
Confirmed	70-79	American Indian/Alaska Native	Male	31	6
Confirmed	80+	American Indian/Alaska Native	Male	11	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	62	0
Confirmed	10-19	Asian/Pacific Islander	Male	128	0
Confirmed	20-29	Asian/Pacific Islander	Male	380	0
Confirmed	30-39	Asian/Pacific Islander	Male	312	0
Confirmed	40-49	Asian/Pacific Islander	Male	263	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	242	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	169	15
Confirmed	70-79	Asian/Pacific Islander	Male	73	19
Confirmed	80+	Asian/Pacific Islander	Male	42	18
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	234	0
Confirmed	10-19	Black/African American	Male	714	0
Confirmed	20-29	Black/African American	Male	2179	11
Confirmed	30-39	Black/African American	Male	2246	29
Confirmed	40-49	Black/African American	Male	2390	74
Confirmed	50-59	Black/African American	Male	2603	204
Confirmed	60-69	Black/African American	Male	2324	349



Confirmed	70-79	Black/African American	Male	1400	428
Confirmed	80+	Black/African American	Male	644	318
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	170	Suppressed
Confirmed	10-19	Multiple Races	Male	542	0
Confirmed	20-29	Multiple Races	Male	950	0
Confirmed	30-39	Multiple Races	Male	694	Suppressed
Confirmed	40-49	Multiple Races	Male	752	Suppressed
Confirmed	50-59	Multiple Races	Male	796	Suppressed
Confirmed	60-69	Multiple Races	Male	584	22
Confirmed	70-79	Multiple Races	Male	291	15
Confirmed	80+	Multiple Races	Male	131	17
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	241	0
Confirmed	10-19	Other	Male	756	0
Confirmed	20-29	Other	Male	1382	Suppressed
Confirmed	30-39	Other	Male	1056	Suppressed
Confirmed	40-49	Other	Male	936	7
Confirmed	50-59	Other	Male	707	10
Confirmed	60-69	Other	Male	433	29
Confirmed	70-79	Other	Male	227	24
Confirmed	80+	Other	Male	106	17
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	283	0
Confirmed	10-19	Unknown	Male	1218	0
Confirmed	20-29	Unknown	Male	2497	0
Confirmed	30-39	Unknown	Male	2080	Suppressed
Confirmed	40-49	Unknown	Male	1872	10
Confirmed	50-59	Unknown	Male	2036	9
Confirmed	60-69	Unknown	Male	1496	20
Confirmed	70-79	Unknown	Male	716	27
Confirmed	80+	Unknown	Male	420	35
Confirmed	Unknown	Unknown	Male	34	0
Confirmed	0-9	White	Male	1148	0
Confirmed	10-19	White	Male	4914	0
Confirmed	20-29	White	Male	9000	6
Confirmed	30-39	White	Male	6302	14
Confirmed	40-49	White	Male	6286	44
Confirmed	50-59	White	Male	7560	143
Confirmed	60-69	White	Male	6260	345
Confirmed	70-79	White	Male	4125	604
Confirmed	80+	White	Male	2770	962
Confirmed	Unknown	White	Male	24	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	7	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	6	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	Suppressed	0
Confirmed	10-19	Multiple Races	Unknown	Suppressed	0
Confirmed	20-29	Multiple Races	Unknown	9	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	Suppressed	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	Suppressed	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	7	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	7	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	0	0
Confirmed	80+	Other	Unknown	0	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	12	0
Confirmed	10-19	Unknown	Unknown	26	0
Confirmed	20-29	Unknown	Unknown	73	0
Confirmed	30-39	Unknown	Unknown	43	0
Confirmed	40-49	Unknown	Unknown	71	0
Confirmed	50-59	Unknown	Unknown	68	0
Confirmed	60-69	Unknown	Unknown	31	0

Confirmed	70-79	Unknown	Unknown	12	0
Confirmed	80+	Unknown	Unknown	9	0
Confirmed	Unknown	Unknown	Unknown	8	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	20	0
Confirmed	20-29	White	Unknown	34	0
Confirmed	30-39	White	Unknown	18	0
Confirmed	40-49	White	Unknown	12	0
Confirmed	50-59	White	Unknown	7	0
Confirmed	60-69	White	Unknown	17	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	0	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Female	12	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	6	0
Probable	50-59	American Indian/Alaska Native	Female	6	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	10	0
Probable	10-19	Asian/Pacific Islander	Female	19	0
Probable	20-29	Asian/Pacific Islander	Female	32	0
Probable	30-39	Asian/Pacific Islander	Female	25	0
Probable	40-49	Asian/Pacific Islander	Female	14	0
Probable	50-59	Asian/Pacific Islander	Female	19	0
Probable	60-69	Asian/Pacific Islander	Female	6	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	40	0
Probable	10-19	Black/African American	Female	63	0
Probable	20-29	Black/African American	Female	143	0
Probable	30-39	Black/African American	Female	119	0
Probable	40-49	Black/African American	Female	147	Suppressed
Probable	50-59	Black/African American	Female	156	8
Probable	60-69	Black/African American	Female	123	12
Probable	70-79	Black/African American	Female	52	13
Probable	80+	Black/African American	Female	38	25
Probable	Unknown	Black/African American	Female	10	0
Probable	0-9	Multiple Races	Female	30	0
Probable	10-19	Multiple Races	Female	66	0
Probable	20-29	Multiple Races	Female	85	0
Probable	30-39	Multiple Races	Female	39	0
Probable	40-49	Multiple Races	Female	71	0
Probable	50-59	Multiple Races	Female	66	0
Probable	60-69	Multiple Races	Female	46	0

Probable	70-79	Multiple Races	Female	16	0
Probable	80+	Multiple Races	Female	9	Suppressed
Probable	Unknown	Multiple Races	Female	19	0
Probable	0-9	Other	Female	33	0
Probable	10-19	Other	Female	62	0
Probable	20-29	Other	Female	85	0
Probable	30-39	Other	Female	65	0
Probable	40-49	Other	Female	65	0
Probable	50-59	Other	Female	32	Suppressed
Probable	60-69	Other	Female	19	Suppressed
Probable	70-79	Other	Female	10	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	8	0
Probable	0-9	Unknown	Female	71	0
Probable	10-19	Unknown	Female	295	0
Probable	20-29	Unknown	Female	597	0
Probable	30-39	Unknown	Female	428	0
Probable	40-49	Unknown	Female	512	0
Probable	50-59	Unknown	Female	525	0
Probable	60-69	Unknown	Female	403	Suppressed
Probable	70-79	Unknown	Female	157	0
Probable	80+	Unknown	Female	115	Suppressed
Probable	Unknown	Unknown	Female	305	0
Probable	0-9	White	Female	278	0
Probable	10-19	White	Female	725	0
Probable	20-29	White	Female	927	0
Probable	30-39	White	Female	565	0
Probable	40-49	White	Female	706	Suppressed
Probable	50-59	White	Female	693	Suppressed
Probable	60-69	White	Female	417	18
Probable	70-79	White	Female	214	25
Probable	80+	White	Female	155	61
Probable	Unknown	White	Female	116	0
Probable	0-9	American Indian/Alaska Native	Male	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Male	7	0
Probable	20-29	American Indian/Alaska Native	Male	7	0
Probable	30-39	American Indian/Alaska Native	Male	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	16	0
Probable	10-19	Asian/Pacific Islander	Male	12	0
Probable	20-29	Asian/Pacific Islander	Male	34	0
Probable	30-39	Asian/Pacific Islander	Male	26	0
Probable	40-49	Asian/Pacific Islander	Male	11	0
Probable	50-59	Asian/Pacific Islander	Male	11	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	41	0
Probable	10-19	Black/African American	Male	63	0
Probable	20-29	Black/African American	Male	86	0
Probable	30-39	Black/African American	Male	70	0
Probable	40-49	Black/African American	Male	69	8
Probable	50-59	Black/African American	Male	98	8
Probable	60-69	Black/African American	Male	95	20
Probable	70-79	Black/African American	Male	46	26
Probable	80+	Black/African American	Male	21	15
Probable	Unknown	Black/African American	Male	6	0
Probable	0-9	Multiple Races	Male	36	0
Probable	10-19	Multiple Races	Male	59	0
Probable	20-29	Multiple Races	Male	73	0
Probable	30-39	Multiple Races	Male	46	0
Probable	40-49	Multiple Races	Male	55	Suppressed
Probable	50-59	Multiple Races	Male	44	0
Probable	60-69	Multiple Races	Male	31	0
Probable	70-79	Multiple Races	Male	15	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	23	0
Probable	0-9	Other	Male	26	0
Probable	10-19	Other	Male	67	0
Probable	20-29	Other	Male	75	0
Probable	30-39	Other	Male	66	0
Probable	40-49	Other	Male	60	0
Probable	50-59	Other	Male	28	0
Probable	60-69	Other	Male	20	Suppressed
Probable	70-79	Other	Male	9	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	8	0
Probable	0-9	Unknown	Male	92	0
Probable	10-19	Unknown	Male	303	0
Probable	20-29	Unknown	Male	489	0
Probable	30-39	Unknown	Male	431	Suppressed
Probable	40-49	Unknown	Male	395	Suppressed
Probable	50-59	Unknown	Male	430	0
Probable	60-69	Unknown	Male	292	Suppressed
Probable	70-79	Unknown	Male	132	Suppressed
Probable	80+	Unknown	Male	56	6
Probable	Unknown	Unknown	Male	240	0
Probable	0-9	White	Male	307	0
Probable	10-19	White	Male	635	0
Probable	20-29	White	Male	814	Suppressed
Probable	30-39	White	Male	451	Suppressed
Probable	40-49	White	Male	493	Suppressed
Probable	50-59	White	Male	506	7
Probable	60-69	White	Male	359	15

Probable	70-79	White	Male	149	15
Probable	80+	White	Male	106	33
Probable	Unknown	White	Male	93	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	0	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	9	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	Suppressed	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	25	0
Probable	10-19	Unknown	Unknown	39	0
Probable	20-29	Unknown	Unknown	90	0
Probable	30-39	Unknown	Unknown	63	0
Probable	40-49	Unknown	Unknown	72	0
Probable	50-59	Unknown	Unknown	69	0
Probable	60-69	Unknown	Unknown	52	0
Probable	70-79	Unknown	Unknown	19	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	504	0
Probable	0-9	White	Unknown	9	0
Probable	10-19	White	Unknown	13	0
Probable	20-29	White	Unknown	12	0
Probable	30-39	White	Unknown	6	0
Probable	40-49	White	Unknown	14	0
Probable	50-59	White	Unknown	13	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	14	0

# PUBLIC USE DATASETS

## COVID-19 Tests by County

### README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.



## COVID-19 TESTS BY COUNTY 2020-11-02

Updated	COUNTY	TestType	Count	RatePerMillion
2020/11/02 15:21:48	Alcona	Diagnostic	2755	264777
2020/11/02 15:21:48	Alcona	Serology	78	7496
2020/11/02 15:21:48	Alcona	Total	2833	272273
2020/11/02 15:21:48	Alger	Diagnostic	2691	295455
2020/11/02 15:21:48	Alger	Serology	95	10430
2020/11/02 15:21:48	Alger	Total	2786	305885
2020/11/02 15:21:48	Allegan	Diagnostic	46026	389783
2020/11/02 15:21:48	Allegan	Serology	1246	10552
2020/11/02 15:21:48	Allegan	Total	47272	400335
2020/11/02 15:21:48	Alpena	Diagnostic	4543	159937
2020/11/02 15:21:48	Alpena	Serology	298	10491
2020/11/02 15:21:48	Alpena	Total	4841	170428
2020/11/02 15:21:48	Antrim	Diagnostic	7905	338921
2020/11/02 15:21:48	Antrim	Serology	269	11533
2020/11/02 15:21:48	Antrim	Total	8174	350454
2020/11/02 15:21:48	Arenac	Diagnostic	5412	363636
2020/11/02 15:21:48	Arenac	Serology	211	14177
2020/11/02 15:21:48	Arenac	Total	5623	377814
2020/11/02 15:21:48	Baraga	Diagnostic	7801	950298
2020/11/02 15:21:48	Baraga	Serology	47	5725
2020/11/02 15:21:48	Baraga	Total	7848	956024
2020/11/02 15:21:48	Barry	Diagnostic	23445	380910
2020/11/02 15:21:48	Barry	Serology	902	14655
2020/11/02 15:21:48	Barry	Total	24347	395565
2020/11/02 15:21:48	Bay	Serology	2718	26356
2020/11/02 15:21:48	Bay	Diagnostic	48551	470793
2020/11/02 15:21:48	Bay	Total	51269	497149
2020/11/02 15:21:48	Benzie	Diagnostic	6100	343352
2020/11/02 15:21:48	Benzie	Serology	238	13396
2020/11/02 15:21:48	Benzie	Total	6338	356749
2020/11/02 15:21:48	Berrien	Serology	2724	17757
2020/11/02 15:21:48	Berrien	Diagnostic	95287	621163
2020/11/02 15:21:48	Berrien	Total	98011	638920
2020/11/02 15:21:48	Branch	Diagnostic	15562	357607
2020/11/02 15:21:48	Branch	Serology	198	4550
2020/11/02 15:21:48	Branch	Total	15760	362157
2020/11/02 15:21:48	Calhoun	Diagnostic	86702	646263
2020/11/02 15:21:48	Calhoun	Serology	938	6992
2020/11/02 15:21:48	Calhoun	Total	87640	653255
2020/11/02 15:21:48	Cass	Diagnostic	17088	329967
2020/11/02 15:21:48	Cass	Serology	334	6449
2020/11/02 15:21:48	Cass	Total	17422	336416
2020/11/02 15:21:48	Charlevoix	Diagnostic	9770	373714
2020/11/02 15:21:48	Charlevoix	Serology	532	20350
2020/11/02 15:21:48	Charlevoix	Total	10302	394063
2020/11/02 15:21:48	Cheboygan	Diagnostic	5486	217044
2020/11/02 15:21:48	Cheboygan	Serology	286	11315

2020/11/02 15:21:48	Cheboygan	Total	5772	228359
2020/11/02 15:21:48	Chippewa	Diagnostic	9507	254545
2020/11/02 15:21:48	Chippewa	Serology	147	3936
2020/11/02 15:21:48	Chippewa	Total	9654	258481
2020/11/02 15:21:48	Clare	Diagnostic	7047	227690
2020/11/02 15:21:48	Clare	Serology	421	13603
2020/11/02 15:21:48	Clare	Total	7468	241292
2020/11/02 15:21:48	Clinton	Diagnostic	24629	309429
2020/11/02 15:21:48	Clinton	Serology	2721	34186
2020/11/02 15:21:48	Clinton	Total	27350	343615
2020/11/02 15:21:48	Correctional	Diagnostic	216685	
2020/11/02 15:21:48	Correctional	Serology	12202	
2020/11/02 15:21:48	Correctional	Total	228887	
2020/11/02 15:21:48	Crawford	Diagnostic	4163	296742
2020/11/02 15:21:48	Crawford	Serology	116	8269
2020/11/02 15:21:48	Crawford	Total	4279	305011
2020/11/02 15:21:48	Delta	Diagnostic	18271	510591
2020/11/02 15:21:48	Delta	Serology	306	8551
2020/11/02 15:21:48	Delta	Total	18577	519143
2020/11/02 15:21:48	Detroit City	Diagnostic	352782	542905
2020/11/02 15:21:48	Detroit City	Serology	16482	25365
2020/11/02 15:21:48	Detroit City	Total	369264	568270
2020/11/02 15:21:48	Dickinson	Diagnostic	6096	241531
2020/11/02 15:21:48	Dickinson	Serology	74	2932
2020/11/02 15:21:48	Dickinson	Total	6170	244463
2020/11/02 15:21:48	Eaton	Diagnostic	52428	475460
2020/11/02 15:21:48	Eaton	Serology	4203	38116
2020/11/02 15:21:48	Eaton	Total	56631	513576
2020/11/02 15:21:48	Emmet	Diagnostic	12521	374712
2020/11/02 15:21:48	Emmet	Serology	917	27443
2020/11/02 15:21:48	Emmet	Total	13438	402155
2020/11/02 15:21:48	Genesee	Serology	12316	30349
2020/11/02 15:21:48	Genesee	Diagnostic	144779	356763
2020/11/02 15:21:48	Genesee	Total	157095	387112
2020/11/02 15:21:48	Gladwin	Diagnostic	7253	285001
2020/11/02 15:21:48	Gladwin	Serology	372	14617
2020/11/02 15:21:48	Gladwin	Total	7625	299619
2020/11/02 15:21:48	Gogebic	Diagnostic	10770	770662
2020/11/02 15:21:48	Gogebic	Serology	126	9016
2020/11/02 15:21:48	Gogebic	Total	10896	779678
2020/11/02 15:21:48	Grand Traverse	Serology	2107	22634
2020/11/02 15:21:48	Grand Traverse	Diagnostic	33646	361443
2020/11/02 15:21:48	Grand Traverse	Total	35753	384077
2020/11/02 15:21:48	Gratiot	Serology	533	13092
2020/11/02 15:21:48	Gratiot	Diagnostic	24233	595245
2020/11/02 15:21:48	Gratiot	Total	24766	608337
2020/11/02 15:21:48	Hillsdale	Diagnostic	17114	375266
2020/11/02 15:21:48	Hillsdale	Serology	366	8025
2020/11/02 15:21:48	Hillsdale	Total	17480	383291
2020/11/02 15:21:48	Houghton	Serology	161	4512

2020/11/02 15:21:48	Houghton	Diagnostic	18155	508771
2020/11/02 15:21:48	Houghton	Total	18316	513283
2020/11/02 15:21:48	Huron	Diagnostic	12848	414706
2020/11/02 15:21:48	Huron	Serology	315	10168
2020/11/02 15:21:48	Huron	Total	13163	424873
2020/11/02 15:21:48	Ingham	Diagnostic	146457	500869
2020/11/02 15:21:48	Ingham	Serology	14374	49158
2020/11/02 15:21:48	Ingham	Total	160831	550026
2020/11/02 15:21:48	Ionia	Diagnostic	30160	466173
2020/11/02 15:21:48	Ionia	Serology	1247	19274
2020/11/02 15:21:48	Ionia	Total	31407	485448
2020/11/02 15:21:48	Iosco	Diagnostic	10319	410674
2020/11/02 15:21:48	Iosco	Serology	234	9313
2020/11/02 15:21:48	Iosco	Total	10553	419986
2020/11/02 15:21:48	Iron	Diagnostic	11468	1036327
2020/11/02 15:21:48	Iron	Serology	36	3253
2020/11/02 15:21:48	Iron	Total	11504	1039581
2020/11/02 15:21:48	Isabella	Diagnostic	19374	277278
2020/11/02 15:21:48	Isabella	Serology	656	9389
2020/11/02 15:21:48	Isabella	Total	20030	286667
2020/11/02 15:21:48	Jackson	Diagnostic	93625	590657
2020/11/02 15:21:48	Jackson	Serology	1702	10737
2020/11/02 15:21:48	Jackson	Total	95327	601394
2020/11/02 15:21:48	Kalamazoo	Diagnostic	125327	472814
2020/11/02 15:21:48	Kalamazoo	Serology	3708	13989
2020/11/02 15:21:48	Kalamazoo	Total	129035	486803
2020/11/02 15:21:48	Kalkaska	Diagnostic	8346	462690
2020/11/02 15:21:48	Kalkaska	Serology	229	12695
2020/11/02 15:21:48	Kalkaska	Total	8575	475385
2020/11/02 15:21:48	Kent	Diagnostic	364938	555499
2020/11/02 15:21:48	Kent	Serology	20832	31710
2020/11/02 15:21:48	Kent	Total	385770	587209
2020/11/02 15:21:48	Keweenaw	Diagnostic	915	432420
2020/11/02 15:21:48	Keweenaw	Serology	19	8979
2020/11/02 15:21:48	Keweenaw	Total	934	441399
2020/11/02 15:21:48	Lake	Diagnostic	4494	379145
2020/11/02 15:21:48	Lake	Serology	128	10799
2020/11/02 15:21:48	Lake	Total	4622	389943
2020/11/02 15:21:48	Lapeer	Serology	1811	20672
2020/11/02 15:21:48	Lapeer	Diagnostic	26371	301015
2020/11/02 15:21:48	Lapeer	Total	28182	321687
2020/11/02 15:21:48	Leelanau	Diagnostic	5899	271081
2020/11/02 15:21:48	Leelanau	Serology	347	15946
2020/11/02 15:21:48	Leelanau	Total	6246	287027
2020/11/02 15:21:48	Lenawee	Serology	1002	10178
2020/11/02 15:21:48	Lenawee	Diagnostic	39185	398015
2020/11/02 15:21:48	Lenawee	Total	40187	408193
2020/11/02 15:21:48	Livingston	Serology	4985	25964
2020/11/02 15:21:48	Livingston	Diagnostic	79007	411506
2020/11/02 15:21:48	Livingston	Total	83992	437470

2020/11/02 15:21:48	Luce	Diagnostic	2599	417242
2020/11/02 15:21:48	Luce	Serology	36	5779
2020/11/02 15:21:48	Luce	Total	2635	423021
2020/11/02 15:21:48	Mackinac	Diagnostic	3479	322159
2020/11/02 15:21:48	Mackinac	Serology	64	5926
2020/11/02 15:21:48	Mackinac	Total	3543	328086
2020/11/02 15:21:48	Macomb	Diagnostic	326262	373309
2020/11/02 15:21:48	Macomb	Serology	32177	36817
2020/11/02 15:21:48	Macomb	Total	358439	410126
2020/11/02 15:21:48	Manistee	Diagnostic	7493	305114
2020/11/02 15:21:48	Manistee	Serology	413	16817
2020/11/02 15:21:48	Manistee	Total	7906	321932
2020/11/02 15:21:48	Marquette	Diagnostic	50618	758902
2020/11/02 15:21:48	Marquette	Serology	972	14573
2020/11/02 15:21:48	Marquette	Total	51590	773475
2020/11/02 15:21:48	Mason	Serology	589	20210
2020/11/02 15:21:48	Mason	Diagnostic	14127	484731
2020/11/02 15:21:48	Mason	Total	14716	504941
2020/11/02 15:21:48	Mecosta	Serology	525	12082
2020/11/02 15:21:48	Mecosta	Diagnostic	18438	424321
2020/11/02 15:21:48	Mecosta	Total	18963	436403
2020/11/02 15:21:48	Menominee	Diagnostic	8662	380246
2020/11/02 15:21:48	Menominee	Serology	48	2107
2020/11/02 15:21:48	Menominee	Total	8710	382353
2020/11/02 15:21:48	Midland	Diagnostic	19404	233345
2020/11/02 15:21:48	Midland	Serology	2655	31928
2020/11/02 15:21:48	Midland	Total	22059	265272
2020/11/02 15:21:48	Missaukee	Serology	160	10583
2020/11/02 15:21:48	Missaukee	Diagnostic	4107	271663
2020/11/02 15:21:48	Missaukee	Total	4267	282246
2020/11/02 15:21:48	Monroe	Serology	2747	18252
2020/11/02 15:21:48	Monroe	Diagnostic	54093	359422
2020/11/02 15:21:48	Monroe	Total	56840	377674
2020/11/02 15:21:48	Montcalm	Serology	1273	19925
2020/11/02 15:21:48	Montcalm	Diagnostic	31948	500063
2020/11/02 15:21:48	Montcalm	Total	33221	519988
2020/11/02 15:21:48	Montmorency	Serology	155	16617
2020/11/02 15:21:48	Montmorency	Diagnostic	2178	233491
2020/11/02 15:21:48	Montmorency	Total	2333	250107
2020/11/02 15:21:48	Muskegon	Diagnostic	89304	514525
2020/11/02 15:21:48	Muskegon	Serology	1660	9564
2020/11/02 15:21:48	Muskegon	Total	90964	524089
2020/11/02 15:21:48	Newaygo	Diagnostic	19977	407860
2020/11/02 15:21:48	Newaygo	Serology	817	16680
2020/11/02 15:21:48	Newaygo	Total	20794	424541
2020/11/02 15:21:48	Oakland	Serology	71078	56519
2020/11/02 15:21:48	Oakland	Diagnostic	533274	424046
2020/11/02 15:21:48	Oakland	Total	604352	480566
2020/11/02 15:21:48	Oceana	Diagnostic	18000	680092
2020/11/02 15:21:48	Oceana	Serology	449	16965

2020/11/02 15:21:48	Oceana	Total	18449	697057
2020/11/02 15:21:48	Ogemaw	Diagnostic	6492	309187
2020/11/02 15:21:48	Ogemaw	Serology	224	10668
2020/11/02 15:21:48	Ogemaw	Total	6716	319855
2020/11/02 15:21:48	Ontonagon	Diagnostic	4147	725000
2020/11/02 15:21:48	Ontonagon	Serology	36	6294
2020/11/02 15:21:48	Ontonagon	Total	4183	731294
2020/11/02 15:21:48	Osceola	Diagnostic	10935	466113
2020/11/02 15:21:48	Osceola	Serology	398	16965
2020/11/02 15:21:48	Osceola	Total	11333	483078
2020/11/02 15:21:48	Oscoda	Diagnostic	2128	258221
2020/11/02 15:21:48	Oscoda	Serology	91	11042
2020/11/02 15:21:48	Oscoda	Total	2219	269263
2020/11/02 15:21:48	Otsego	Serology	352	14269
2020/11/02 15:21:48	Otsego	Diagnostic	6446	261310
2020/11/02 15:21:48	Otsego	Total	6798	275580
2020/11/02 15:21:48	Ottawa	Diagnostic	153468	525882
2020/11/02 15:21:48	Ottawa	Serology	6188	21204
2020/11/02 15:21:48	Ottawa	Total	159656	547086
2020/11/02 15:21:48	Presque Isle	Diagnostic	3213	255162
2020/11/02 15:21:48	Presque Isle	Serology	188	14930
2020/11/02 15:21:48	Presque Isle	Total	3401	270092
2020/11/02 15:21:48	Roscommon	Serology	344	14322
2020/11/02 15:21:48	Roscommon	Diagnostic	8387	349182
2020/11/02 15:21:48	Roscommon	Total	8731	363504
2020/11/02 15:21:48	Saginaw	Diagnostic	107029	561717
2020/11/02 15:21:48	Saginaw	Serology	3372	17697
2020/11/02 15:21:48	Saginaw	Total	110401	579414
2020/11/02 15:21:48	Sanilac	Diagnostic	17879	434273
2020/11/02 15:21:48	Sanilac	Serology	531	12898
2020/11/02 15:21:48	Sanilac	Total	18410	447170
2020/11/02 15:21:48	Schoolcraft	Diagnostic	2475	305782
2020/11/02 15:21:48	Schoolcraft	Serology	47	5807
2020/11/02 15:21:48	Schoolcraft	Total	2522	311589
2020/11/02 15:21:48	Shiawassee	Diagnostic	28911	424400
2020/11/02 15:21:48	Shiawassee	Serology	1681	24676
2020/11/02 15:21:48	Shiawassee	Total	30592	449077
2020/11/02 15:21:48	St Clair	Diagnostic	50496	317329
2020/11/02 15:21:48	St Clair	Serology	4530	28468
2020/11/02 15:21:48	St Clair	Total	55026	345797
2020/11/02 15:21:48	St Joseph	Serology	894	14664
2020/11/02 15:21:48	St Joseph	Diagnostic	24857	407732
2020/11/02 15:21:48	St Joseph	Total	25751	422397
2020/11/02 15:21:48	Tuscola	Diagnostic	28875	552684
2020/11/02 15:21:48	Tuscola	Serology	877	16786
2020/11/02 15:21:48	Tuscola	Total	29752	569471
2020/11/02 15:21:48	Unknown	Serology	19480	
2020/11/02 15:21:48	Unknown	Diagnostic	249772	
2020/11/02 15:21:48	Unknown	Total	269252	
2020/11/02 15:21:48	Van Buren	Diagnostic	41652	550392

2020/11/02 15:21:48	Van Buren	Serology	793	10479
2020/11/02 15:21:48	Van Buren	Total	42445	560871
2020/11/02 15:21:48	Washtenaw	Serology	11451	31151
2020/11/02 15:21:48	Washtenaw	Diagnostic	210598	572898
2020/11/02 15:21:48	Washtenaw	Total	222049	604049
2020/11/02 15:21:48	Wayne	Serology	47001	42581
2020/11/02 15:21:48	Wayne	Diagnostic	551889	499985
2020/11/02 15:21:48	Wayne	Total	598890	542565
2020/11/02 15:21:48	Wexford	Serology	407	12102
2020/11/02 15:21:48	Wexford	Diagnostic	11880	353246
2020/11/02 15:21:48	Wexford	Total	12287	365347

# PUBLIC USE DATASETS

## Diagnostic Tests by Result and County

### README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

# DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-11-02

MessageDate	COUNTY	Negative	Positive	Total
10/31/2020	Alcona	11	0	11
10/31/2020	Alger	6	1	7
10/31/2020	Allegan	280	28	308
10/31/2020	Alpena	29	2	31
10/31/2020	Antrim	51	0	51
10/31/2020	Arenac	40	2	42
10/31/2020	Baraga	13	6	19
10/31/2020	Barry	111	16	127
10/31/2020	Bay	355	52	407
10/31/2020	Benzie	31	2	33
10/31/2020	Berrien	701	97	798
10/31/2020	Branch	121	9	130
10/31/2020	Calhoun	181	18	199
10/31/2020	Cass	78	15	93
10/31/2020	Charlevoix	127	10	137
10/31/2020	Cheboygan	63	3	66
10/31/2020	Chippewa	124	2	126
10/31/2020	Clare	35	1	36
10/31/2020	Clinton	180	23	203
10/31/2020	Correctional	2766	9	2775
10/31/2020	Crawford	13	3	16
10/31/2020	Delta	46	17	63
10/31/2020	Detroit City	1816	76	1892
10/31/2020	Dickinson	46	16	62
10/31/2020	Eaton	324	22	346
10/31/2020	Emmet	91	10	101
10/31/2020	Genesee	982	100	1082
10/31/2020	Gladwin	23	1	24
10/31/2020	Gogebic	45	22	67
10/31/2020	Grand Traverse	214	13	227
10/31/2020	Gratiot	185	9	194
10/31/2020	Hillsdale	96	19	115
10/31/2020	Houghton	267	5	272
10/31/2020	Huron	11	0	11
10/31/2020	Ingham	916	56	972
10/31/2020	Ionia	250	27	277
10/31/2020	Iosco	33	9	42
10/31/2020	Iron	23	8	31
10/31/2020	Isabella	130	12	142
10/31/2020	Jackson	757	42	799
10/31/2020	Kalamazoo	356	19	375
10/31/2020	Kalkaska	61	7	68
10/31/2020	Kent	2079	206	2285
10/31/2020	Keweenaw	16	2	18
10/31/2020	Lake	17	1	18
10/31/2020	Lapeer	197	21	218
10/31/2020	Leelanau	26	1	27



10/31/2020	Lenawee	133	16	149
10/31/2020	Livingston	471	50	521
10/31/2020	Luce	69	5	74
10/31/2020	Mackinac	67	4	71
10/31/2020	Macomb	3331	330	3661
10/31/2020	Manistee	29	3	32
10/31/2020	Marquette	558	57	615
10/31/2020	Mason	53	5	58
10/31/2020	Mecosta	185	17	202
10/31/2020	Menominee	53	6	59
10/31/2020	Midland	193	8	201
10/31/2020	Missaukee	10	2	12
10/31/2020	Monroe	416	42	458
10/31/2020	Montcalm	210	11	221
10/31/2020	Montmorency	11	1	12
10/31/2020	Muskegon	692	67	759
10/31/2020	Newaygo	138	22	160
10/31/2020	Oakland	4309	446	4755
10/31/2020	Oceana	159	8	167
10/31/2020	Ogemaw	17	3	20
10/31/2020	Ontonagon	59	9	68
10/31/2020	Osceola	77	6	83
10/31/2020	Oscoda	10	2	12
10/31/2020	Otsego	47	8	55
10/31/2020	Ottawa	1107	100	1207
10/31/2020	Presque Isle	44	3	47
10/31/2020	Roscommon	29	4	33
10/31/2020	Saginaw	689	88	777
10/31/2020	Sanilac	129	13	142
10/31/2020	Schoolcraft	7	1	8
10/31/2020	Shiawassee	113	13	126
10/31/2020	St Clair	371	39	410
10/31/2020	St Joseph	51	13	64
10/31/2020	Tuscola	116	17	133
10/31/2020	Unknown	951	45	996
10/31/2020	Van Buren	170	16	186
10/31/2020	Washtenaw	1012	44	1056
10/31/2020	Wayne	3773	342	4115
10/31/2020	Wexford	71	11	82
11/1/2020	Alcona	17	1	18
11/1/2020	Alger	85	0	85
11/1/2020	Allegan	544	68	612
11/1/2020	Alpena	168	3	171
11/1/2020	Antrim	185	7	192
11/1/2020	Arenac	101	7	108
11/1/2020	Baraga	9	1	10
11/1/2020	Barry	283	29	312
11/1/2020	Bay	391	43	434
11/1/2020	Benzie	50	4	54
11/1/2020	Berrien	700	132	832

11/1/2020	Branch	207	25	232
11/1/2020	Calhoun	1604	197	1801
11/1/2020	Cass	150	28	178
11/1/2020	Charlevoix	66	6	72
11/1/2020	Cheboygan	176	25	201
11/1/2020	Chippewa	2007	16	2023
11/1/2020	Clare	151	4	155
11/1/2020	Clinton	122	7	129
11/1/2020	Correctional	4798	40	4838
11/1/2020	Crawford	55	7	62
11/1/2020	Delta	191	9	200
11/1/2020	Detroit City	2220	76	2296
11/1/2020	Dickinson	17	9	26
11/1/2020	Eaton	466	37	503
11/1/2020	Emmet	122	57	179
11/1/2020	Genesee	1761	131	1892
11/1/2020	Gladwin	34	2	36
11/1/2020	Gogebic	53	10	63
11/1/2020	Grand Traverse	493	9	502
11/1/2020	Gratiot	126	9	135
11/1/2020	Hillsdale	78	15	93
11/1/2020	Houghton	51	1	52
11/1/2020	Huron	63	11	74
11/1/2020	Ingham	1056	74	1130
11/1/2020	Ionia	228	16	244
11/1/2020	Iosco	128	7	135
11/1/2020	Iron	56	19	75
11/1/2020	Isabella	466	22	488
11/1/2020	Jackson	754	100	854
11/1/2020	Kalamazoo	1843	190	2033
11/1/2020	Kalkaska	66	6	72
11/1/2020	Kent	4439	532	4971
11/1/2020	Keweenaw	8	0	8
11/1/2020	Lake	30	6	36
11/1/2020	Lapeer	173	11	184
11/1/2020	Leelanau	93	2	95
11/1/2020	Lenawee	398	33	431
11/1/2020	Livingston	1069	55	1124
11/1/2020	Luce	6	3	9
11/1/2020	Mackinac	13	3	16
11/1/2020	Macomb	2966	345	3311
11/1/2020	Manistee	140	6	146
11/1/2020	Marquette	342	19	361
11/1/2020	Mason	255	13	268
11/1/2020	Mecosta	177	26	203
11/1/2020	Menominee	259	0	259
11/1/2020	Midland	285	13	298
11/1/2020	Missaukee	38	8	46
11/1/2020	Monroe	562	52	614
11/1/2020	Montcalm	339	35	374

11/1/2020	Montmorency	72	1	73
11/1/2020	Muskegon	912	181	1093
11/1/2020	Newaygo	167	11	178
11/1/2020	Oakland	5066	366	5432
11/1/2020	Oceana	145	14	159
11/1/2020	Ogemaw	133	3	136
11/1/2020	Ontonagon	13	2	15
11/1/2020	Osceola	106	12	118
11/1/2020	Oscoda	17	0	17
11/1/2020	Otsego	232	11	243
11/1/2020	Ottawa	1971	225	2196
11/1/2020	Presque Isle	178	3	181
11/1/2020	Roscommon	208	17	225
11/1/2020	Saginaw	1114	101	1215
11/1/2020	Sanilac	215	15	230
11/1/2020	Schoolcraft	5	0	5
11/1/2020	Shiawassee	317	7	324
11/1/2020	St Clair	706	31	737
11/1/2020	St Joseph	205	25	230
11/1/2020	Tuscola	325	40	365
11/1/2020	Unknown	1192	65	1257
11/1/2020	Van Buren	529	124	653
11/1/2020	Washtenaw	3212	62	3274
11/1/2020	Wayne	4400	326	4726
11/1/2020	Wexford	198	7	205